

Product datasheet for **RN216880**

Retreg2 (NM_001100760) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Retreg2 (NM_001100760) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Retreg2
Synonyms:	Fam134a; RGD1306844
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN216880 representing NM_001100760
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAAGCAGCGGTGGCGGTAAACACCGCGCGGGTGGCACCTCGGGCTGGGCCTGGGCTGGGGCTGG
 GCCTCTGCATGGGTGAGGCCACCGGCGACGCGGAGGAGGAGCGGCCGACCCGAGGCGGTGGGACGCCT
 GGCTACGTCCCTGTGGCTGCGGCTCCGTGGCTGGGAGGCGGTGCTGGCGCTGCACAGCGACTGCTGGTA
 TGGGAGAAGCCGCTGCACAGCCTGGTACGCGCGGCCACACTCAACGGCCTCTTCTGGTTGTTGTCTTCGT
 CGTCCCTTCGGCCCTTCTCCTGCTCAGCATATCACTTCTGACCTATTTCTCCTGGATCTCTGGCATCC
 TCGCTTTCTCCCTGACGTTTCAGCACCACCCCTGAAGAACCGCACTCCGACAGTGAGGGTGGGGGTCA
 GGCGCCGAGCGCACCTGCTGAGTGTGCCGAGTTGTGCAGATACCTGGCTGAGAGCTGGCTCACCTTCC
 AGATTCACCTGCAAGAGCTGTTGCAGTACAAGAGGCAGAATCCAGCTCAGTTCTGTGCTCGAGTCTGTTT
 TGGCTGTGCTGTGCTAGCTGTGTTGGGACACTATGTTCCAGGAATTATGATTTCTCATTTGCTTGTCTA
 AGTATCCTGCTGTGGCCCTGGTGGTTTATCATGAATTGATCCAGAGGATGTATACTCGCCTGGAGCCCT
 TGCTCATGCAGCTGGACTACAGTATGAAGGCAGAAGCCGATGCCCTTACCACAAACATGACAAGAGAAA
 GCGTCAAGGGAAGAATGCACCCCGAGCAGGAGATGAGCCACTGGCAGAAACAGAGAGTGAAAGCGAGGCA
 GAGTTGGCTGGCTTCTCTCCAGTGGTGGATGTGAAGAAAACAGCCCTGGCCTTGGCTATTACAGACTCTG
 AGCTGTCAGATGAGGAGGCTCTATCTTAGAGAGCGGTGGTTTCTCTGTCTCTCGGGCCACCACCCACA
 ACTGACAGATGTTTCTGAGGATTTGGACCAGCAGAGCCTACCAAGTGAGCCAGAAGAGGCTCTGAGCCGG
 GAACTAGGGGATGGGAGGAGACAGAGCTGGCCCTCTGAAGACCTGCTAAGTGCTCTCCGGCCCTCT
 CAAAGCAAGCCCTGGATACCGAAGAGGAGGGGGCTGCAGACAAGGAAACCTTGCTTCAGCTCTCATCCCC
 GCTTCACTTTGTGAATACGCACCTTCAATGGGGCAGGGTCCCCCAGGAAGGAGTGAAATGCCCTCCTGGA
 GGACCACTGAGAGCCCTGAGCCAGAGGAGTGTGTTGACCTAATGGCTCCATCCAGCACCCTCTCAC
 CCCAACTATGCCTTGCTGAAAGTGGTCCAGTTACCCTCCTCTCTCCCTCTGTGCTCCCATCCCTTCCCCA
 GGACTCACCTCAAGCCCTGACTGCTCCTGAGGAAGAAGAGGCACTCACCACTGAGGACTTTGAGTTGCTG
 GATCAGGGGAGCTGGAGCAGCTGAATGCAGAGCTGGGCTTGGGACCAGAGATGCCCCCAAAGCCCCCTG
 ATGTTCTGCCTCCTCCTCCCTGGGGCCAGACAGCCATTCTCTGGTACAGTCAGACCAAGAGGCTCATGC
 AGTGGTTGAGCA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001100760

Insert Size: 1626 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001100760.1](#), [NP_001094230.1](#)

RefSeq Size: 2541 bp

RefSeq ORF: 1626 bp

Locus ID: 363252

UniProt ID: [Q3MHU5](#)

Cytogenetics: 9q33